

5      **WHAT IS CLAIMED IS:**

1. A clear view cannula comprising:

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- (a) a tubular body having a proximate end and a distal end;
- (b) a plurality of closely spaced teeth members on the outer surface and extending parallel to the longitudinal axis of said tubular body intermediate said proximate end and said distal end;
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- (c) a cylindrical sleeve having a proximate end and a distal end concentrically mounted about and slidably secured to said tubular body;
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- (d) means at the proximate end of said cylindrical sleeve to engage said teeth members; and,
- (e) a plurality of spaced apart shield members circumferentially disposed about and longitudinally co-extensive with said tubular body secured to the distal end of said cylindrical sleeve
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such that when said cylindrical sleeve is slidably urged along said tubular body toward the distal end of said tubular body, said shield members are caused to expand and fully deploy enabling said shield members to retract and retain torn or fragmented tissue within an anatomical cavity and anchor said clear view cannula within said cavity with a minimum of penetration of said cannula into said cavity.

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2. The clear view cannula of claim 1 wherein the distal end of said tubular body is tapered.
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3. The clear view cannula of claim 1 wherein said teeth members extend along said tubular body from said proximate end toward said distal end a distance of from about  $\frac{1}{2}$  to about  $\frac{3}{4}$  the length of said tubular body.
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4. The clear view cannula of claim 1 wherein said cylindrical sleeve extends from the proximate end of said tubular body toward the distal end of said tubular body a distance of from about  $\frac{1}{2}$  to about  $\frac{3}{4}$  the length of said tubular body.
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5. The clear view cannula of claim 1 wherein said engaging means is a raised shoulder with a depending detent.
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6. The clear view cannula of claim 1 wherein an expandable web member is secured to said shield members such that said web member fills in the spaces between said shield members when said shield members are fully deployed.
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7. The clear view cannula of claim 1 wherein said fully deployed shield members form an angle that is substantially coincidental to 90 degrees with respect to the longitudinal axis of said tubular body.
8. The clear view cannula of claim 1 wherein said teeth members have a substantially perpendicular face and a rear that slopes toward the proximate end of said tubular member.

5           9.    The clear view cannula of claim 8 wherein the sloping rear of  
              each tooth member terminates at the base of the face of each  
              preceding tooth member.

10          10. A clear view cannula comprising:

            (a)    a tubular body having a proximate end and a distal end;

15           (b)    a plurality of closely spaced circumferential teeth members on  
                    the outer surface of said tubular body extending parallel to the  
                    longitudinal axis of said tubular body from said proximate end  
                    toward said distal end a distance of from about  $\frac{1}{2}$  to about  $\frac{3}{4}$   
                    the length of said tubular body, said teeth members having a  
                    substantially perpendicular face and a rear that slopes toward  
20                 the proximate end of said tubular member;

            (c)    a cylindrical sleeve having a proximate end and a distal end  
                    concentrically mounted about and slidably secured to said  
                    tubular body and extending from the proximate end of said  
25                 tubular body toward the distal end of said tubular body a  
                    distance of from about  $\frac{1}{2}$  to about  $\frac{3}{4}$  the length of said tubular  
                    body, the proximate end of said cylindrical sleeve terminating in  
                    a raised shoulder having a depending detent capable of engaging  
                    said teeth members; and,

30           (d)    a plurality of spaced apart shield members circumferentially  
                    disposed about and longitudinally co-extensive with said tubular

5                   body secured to the distal end of said cylindrical sleeve  
member and capable of being flexed intermediate their ends,  
said shield members having an expandable web member secured  
thereto

10                   such that when said cylindrical sleeve is slidably urged along said  
tubular body toward the distal end of said tubular body, said shield  
members and said expandable web member are caused to expand and  
deploy enabling said shield members and said expandable web member  
15                   to retract and retain torn or fragmented tissue within an anatomical  
cavity and anchor said clear view cannula within said cavity with a  
minimum of penetration of said cannula into said cavity.

20                   11. The clear view cannula of claim 10 wherein said fully deployed shield  
members and said expandable web member form an angle  
substantially coincidental to 90 degrees with respect to the  
longitudinal axis of said tubular body.

25                   12. The clear view cannula of claim 10 wherein the distal end of said  
tubular body is tapered.

30                   13. The clear view cannula of claim 10 wherein the sloping end of each  
tooth member terminates at the base of the face of each  
preceding tooth member.